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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/763,978	01/22/2004	Cecile Aulnette	4717-7300	7888
28765 7	7590 06/28/2005		EXAMINER	
WINSTON & STRAWN LLP 1700 K STREET, N.W.			WILLE, DOUGLAS A	
WASHINGTON, DC 20006			ART UNIT	PAPER NUMBER
			2814	
			DATE MAILED: 06/28/2005	5

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)
Office Action Summer	10/763,978	AULNETTE ET AL.
Office Action Summary	Examiner ·	Art Unit
The MAN INC DATE of this committee the	Douglas A. Wille	2814
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with	the correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a repi y within the statutory minimum of thirty (will apply and will expire SIX (6) MONTH b, cause the application to become ABAN	y be timely filed 30) days will be considered timely. S from the mailing date of this communication. IDONED (35 U.S.C. § 133).
Status		
 Responsive to communication(s) filed on 18 A This action is FINAL. Since this application is in condition for alloware closed in accordance with the practice under B 	s action is non-final. nce except for formal matter	•
Disposition of Claims		
4) ⊠ Claim(s) <u>1-37</u> is/are pending in the application 4a) Of the above claim(s) <u>13-37</u> is/are withdray 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) <u>1 and 5-10</u> is/are rejected. 7) ⊠ Claim(s) <u>2-4,11 and 12</u> is/are objected to. 8) □ Claim(s) are subject to restriction and/or	wn from consideration.	
Application Papers		
9)☐ The specification is objected to by the Examine 10)☒ The drawing(s) filed on 22 January 2004 is/are Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11)☐ The oath or declaration is objected to by the Example 11.	e: a) accepted or b) obj drawing(s) be held in abeyance tion is required if the drawing(s)	e. See 37 CFR 1.85(a). is objected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureat * See the attached detailed Office action for a list	ts have been received. ts have been received in Apports trity documents have been re u (PCT Rule 17.2(a)).	olication No eceived in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08		Mail Date ormal Patent Application (PTO-152)

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- 2. Claims 1 and 5 10 are rejected under 35 U.S.C. 102(a) as being anticipated by Chu et al.
- 3. With respect to claim 1, Chu et al. show (see cover Figure) a buffer layer and a relaxed layer (paragraph [0008]).
- 4. With respect to claim 5, Chu et al. show the substrate can be Ge or GaAs (paragraph [0034]).
- 5. With respect to claim 6, the strained layers (e.g. 14, 17) have a different composition (paragraph [0005]).
- 6. With respect to claim 7, layer 14 is Si.
- 7. With respect to claim 8, layer 14 has a thickness below the critical thickness, which is less than 50 nm (paragraph [0043]).
- 8. With respect to claim 9, Chu et al. show that the substrate could be SOI (paragraph [0034]).
- 9. With respect to claim 10, there are a number of strained layers (paragraph [0005]).

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Allowable Subject Matter

10. Claims 2-4, 11 and 12 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

With respect to claims 2 – 4, Chu et al. do not show the Ge concentration as decreasing. With respect to claim 11, although the use of a weakened region is known in the art, Chu et al. do not show the use of such a structure and it would not be obvious to include such a structure. With respect to claim 12, Chu et al do not show the use of carbon and although the use of carbon in SiGe compounds is known in the art, it is not obvious to use such a structure in the Chu et al. device.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Douglas A. Wille whose telephone number is (571) 272-1721. The examiner can normally be reached on M-F (6:15-2:45).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on (571) 272-1705. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Douglas A. Wille Primary Examiner